

Patent Claims

1. A component for an additional control valve device for an intake pipe of a reciprocating internal combustion engine, which is composed of a hollow cylinder (1) which has an opening at at least one end side and in which a spring bearing (2) is arranged on the inside of this end side, on which spring bearing (2) a first valve spring (3) bears, a stem (4) which is guided in the spring bearing (2) being arranged so as to be reversibly displaceable in the direction of the longitudinal axis of the hollow cylinder (1) in said first valve spring (3), a counterbearing (5) for the first valve spring (3) being arranged at the end of the stem (4) facing away from this end side of the hollow cylinder (1), said counterbearing being connected to the stem (4), and in which component a second valve spring (6) is arranged between the counterbearing (5) and the inside of the opposite end side (1a) of the hollow cylinder (1).
- 20 2. The component as claimed in claim 1, in which the end (7) of the stem (4) which faces away from the counterbearing (5) projects out of the hollow cylinder (1) through the opening.
- 25 3. The component as claimed in claim 1 or claim 2, in which the stem (4) and the counterbearing (5) are composed of a single part.
- 30 4. The component as claimed in one of claims 1 to 3, in which the opposite end side (1a) of the hollow cylinder (1) has a circumferential collar (1a') on the inside.
5. The component as claimed in one of claims 1 to 4, in which the spring bearing (2) and the hollow cylinder (1) are composed of a single part.